



**UNIVERSITI KUALA LUMPUR  
Malaysia France Institute**

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**FINAL EXAMINATION  
SEPTEMBER 2014 SESSION**

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**SUBJECT CODE** : FVB31003  
**SUBJECT TITLE** : VEHICLE STANDARD AND REGULATION  
**LEVEL** : BACHELOR  
**TIME / DURATION** : 9.00 AM – 11.30 AM  
(2.5 HOURS)  
**DATE** : 5 JANUARY 2015

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**INSTRUCTIONS TO CANDIDATES**

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1. Please read the instructions given in the question paper **CAREFULLY**.
  2. This question paper is printed on both sides of the paper.
  3. Please write your answers on the answer booklet provided.
  4. Answer should be written in blue or black ink except for sketching, graphic and illustration.
  5. This question paper consists of **TWO (2) sections**. Answer **ALL** questions in Section A. For Section B, answer two (2) questions only.
  6. Answer all questions in English.
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**THERE ARE 3 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.**

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**SECTION A (Total: 40 marks)****INSTRUCTION: Answer ALL questions.****Please use the answer booklet provided.****Question 1**

- a) Define briefly the difference between category M, N and O vehicle. Give **two (2)** types of vehicle for each category that are normally used in Malaysia.

(10 marks)

- b) Name **FIVE (5)** main duties of the Technical Division of the Road Transport Department and explain any one in detail.

(5 marks)

- c) List **FIVE (5)** types of inspection carried at PUSPAKOM

(5 marks)

**Question 2**

- a) List **FIVE (5)** requirements for the application of engine replacement.

(10 marks)

- b) Name **TEN (10)** minor modification and additional accessories allowed on vehicles that does not require approval from the authority.

(10 marks)

**SECTION B (Total 60 marks)****INSTRUCTION: Answer only THREE (3) questions****Question 3**

- a) Describe the type of engine conversions that are allowed by the Road Transport Department (RTD)

(5 marks)

- b) Describe in detail the process of engine conversion with a bigger engine capacity from the original engine. Explain the documents that should be submitted for this type of conversion.

(15 marks)

**Question 4**

- a) Explain the types of Cut and Joints that are allowed by RTD on a vehicle.

(6 marks)

- b) List the types of Cut and Joint which are not allowed by Road Transport Department and the impacts to the vehicle modification.

(14 marks)

**Question 5**

- a) The engine mounting is one of the control components against any modification . Discuss.r.

(5 marks)

- b) Explain the steps and conditions that should be taken into consideration when changing the complete engine and things that should be adjusted accordingly. Justify your considerations why this is important.

(15 marks)

**Question 6**

- a) Describe main areas of inspection by Puspakom for a collision repair vehicles.

(10 marks)

- b) Give **THREE (3)** types of vehicle registration number plates that are allowed in Malaysia and give an example on each type.

(10 marks)

**END OF QUESTION**